

Converting Colors

XYZ(52.3092, 79.8307, 22.6646)

Have a look what the booklet for
XYZ(52.3092, 79.8307, 22.6646)
contains.

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Color

**XYZ(52.3897, 79.8698,
22.7804)**

Conversions

Conversions Part 1

Format	Color
Hex	A1FF5C
RGB	161, 255, 92
RGB Percent	63%, 100%, 36%
CMY	0.3686, 0.0000, 0.6392
CMYK	0.37, 0.00, 0.64, 0.00
HSL	95°, 100%, 68%
HSV	95°, 64%, 100%
XYZ	52.3897, 79.8698, 22.7804
YIQ	208.3120, -3.7010, -70.6210

Conversions

Conversions Part 2

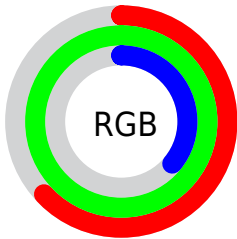
Format	Color
RYB	92, 255, 186
Decimal	10616668
CIELab	91.63, -53.95, 66.83
CIElCh	92, 85.890, 128.912
Yxy	79.8698, 0.3379, 0.5152
Android (android.graphics.Color)	4288806748 (0xFFA1FF5C)
YUV	208.3120, -57.3418, -41.4926
Hunter-Lab	89.3699, -51.7585, 47.4459

Details

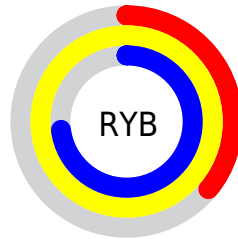
The XYZ color **52.3897, 79.8698, 22.7804** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **42.1286, 25.3150, 97.2736**, and the grayscale version is **60.5192, 63.6709, 69.3376**.

A 20% lighter version of the original color is **70.6205, 88.8738, 41.4492**, and **25.8953, 43.3017, 8.1556** is the 20% darker color. If you saturate the color by 10%, you get **48.6647, 78.0573, 17.7344**, and if you desaturate by 10%, it is **56.8387, 82.0121, 29.8200**.

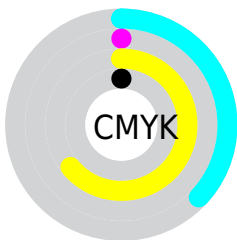
Distribution



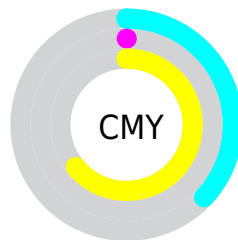
- Red (63%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (73%)



- Cyan (37%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3897, 79.8698, 22.7804 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 52.3897, 79.8698, 22.7804 by changing the saturation by 10% instead.


 52.3897, 79.8698,
22.7804


 52.3897, 79.8698,
22.7804


386.2385,
494.4939, 279.6803


 37.5413, 59.6112,
14.2277


 92.8765, 133.1827,
48.9511


 25.8025, 43.1053,
8.1386


 119.2457,
167.0057, 67.4062

 16.8078, 29.9678,
4.0947


 150.1858,
206.1191, 89.9991

 10.1920, 19.8141,
1.6775

 186.0623,
250.9071, 117.1484

 5.5897, 12.2600,
0.3452

227.2404,
301.7542, 149.2726

 2.6355, 6.9210,
0.0000

274.0856,

 0.9641, 3.4127,

359.0448, 186.7903

0.0000

326.9632,
423.1632, 230.1201

0.0000, 1.3508,
0.0000

0.0000, 0.1801,
0.0000

52.3897, 79.8698,
22.7804

52.3897, 79.8698,
22.7804

48.6647, 78.0573,
17.7344

56.8387, 82.0121,
29.8200

45.6117, 76.5525,
14.4704

62.0565, 84.5036,
39.0287

43.1701, 75.3297,
12.7358

68.0844, 87.3619,
50.5671

41.9370, 74.7044,
12.2091

74.9601, 90.6034,
64.5793

■ 82.7187, 94.2434,
81.1981

■ 91.3933, 98.2960,
100.5464

95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5675, 79.8698, 13.9024



52.3897, 79.8698, 22.7804



42.9774, 79.8698, 50.3498

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.3897, 79.8698, 22.7804



61.7309, 79.8698, 255.2965



125.6536, 79.8698, 69.5671

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



52.3897, 79.8698, 22.7804



42.1286, 25.3150, 97.2736

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



122.4421, 79.8698, 138.0515



52.3897, 79.8698, 22.7804



82.6349, 79.8698, 269.1315

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.3897, 79.8698, 22.7804



47.6043, 79.8698, 187.0042



105.5980, 79.8698, 218.8319



113.6766, 79.8698, 31.0294

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.3897, 79.8698, 22.7804



41.0788, 79.8698, 84.6912



105.5980, 79.8698, 218.8319



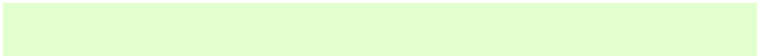
126.3565, 79.8698, 89.2784

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



52.3899, 79.8698, 22.7816



78.6646, 92.3434, 72.4214



60.3892, 56.4672, 17.8428



16.3708, 19.5462, 14.5086



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.3899, 79.8698, 22.7816



47.6552, 77.5620, 16.5495



42.6159, 74.7723, 24.9846



18.5004, 20.5439, 19.1346



22.0748, 39.1181, 6.3871



2.2709, 3.8715, 0.6276

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.1286, 25.3150, 97.2736



36.5844, 19.0699, 96.3604



61.4170, 35.4550, 89.3009



18.0063, 17.8950, 22.7550



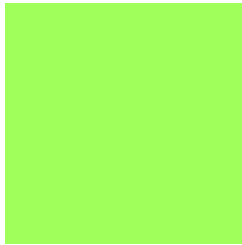
15.8987, 7.1066, 49.9683



1.6729, 0.7563, 4.8711

Previews

White Background



This preview shows how the XYZ color 52.3897, 79.8698, 22.7804 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 52.3897, 79.8698, 22.7804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

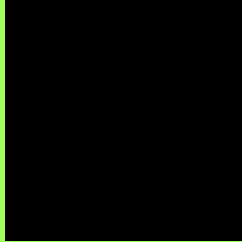
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

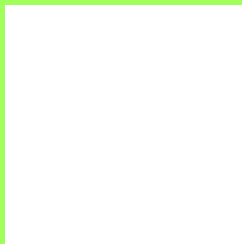
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.3897, 79.8698, 22.7804

Background



This preview shows how black text looks on a background with the XYZ color 52.3897, 79.8698, 22.7804.

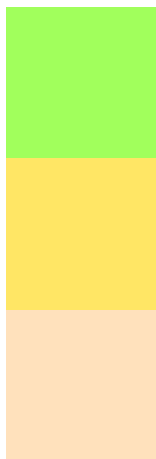


This preview shows how white text looks on a background with the XYZ color 52.3897, 79.8698,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

52.3897, 79.8698, 22.7804

Protanopia

71.8858, 78.7932, 23.7317

Deuteranopia

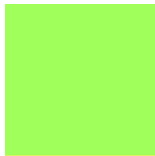
77.2423, 78.7413, 58.7044



Tritanopia

70.1104, 79.4454, 106.2470

Trichromacy



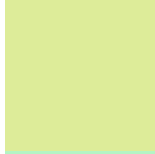
Original Color

52.3897, 79.8698, 22.7804



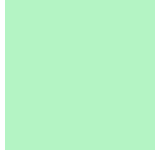
Protanomaly

62.8899, 77.9870, 23.2936



Deuteranomaly

65.5640, 77.6630, 41.6719



Tritanomaly

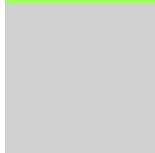
61.1369, 78.3902, 64.1331

Monochromacy



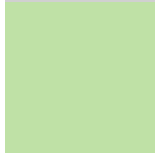
Original Color

52.3897, 79.8698, 22.7804



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.2940, 67.6800, 46.2256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3897, 79.8698, 22.7804 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(161, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 92)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(161, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 92) }
```

Border

The CSS property to change the border of an element to XYZ 52.3897, 79.8698, 22.7804 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 255, 92) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(161, 255, 92) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(161, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3897, 79.8698, 22.7804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 92) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(161,  
255, 92) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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